

DOCKET: CU-2626

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Takehide KISHIMOTO et al.)
SERIAL NO: 09/932,710) Group Art Unit: 1756
FILED: August 17, 2001) Examiner: J. A. McPherson
TITLE: COLORED RESIST MATERIAL SET AND COLOR FILTER

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AMENDED CLAIMS

1. (currently amended) A colored resist material set comprising: at least colored resist materials having three colors respectively and consisting of a red resist material, a green resist material and a blue resist material, each resist material containing a reactive monomer, a photoinitiator and a dye and/or a pigment, wherein;

the photoinitiator contained in said red resist material has a photoabsorption region ~~on the side of~~ which absorbs wavelengths shorter than 570 nm;

the photoinitiator contained in said green resist material has a photoabsorption region ~~on the side of~~ which absorbs wavelengths shorter than 460 nm; and

the photoinitiator contained in said blue resist material has a photoabsorption region ~~on the side of~~ which absorbs wavelengths shorter than 400 nm; ~~each photoinitiator using at least two or more photoinitiators~~ wherein the photoabsorption region of at least one photoinitiator contained in said red and green resist materials absorbs wavelengths longer than wavelengths absorbed by the photoabsorption region of the photoinitiator contained in said blue resist material.

2. (currently amended) A colored resist material set according to claim 1, wherein the photoinitiators contained in said red resist material and said green resist material ~~respectively are the same photoinitiator having each~~ have a photoabsorption region on the side of which absorbs wavelengths shorter than 460 nm, and longer than wavelengths absorbed by the photoabsorption region of the photoinitiator contained in said blue resist material.
3. (currently amended) A colored resist material set according to claim 2, wherein the photoinitiators contained in the red resist material and the green resist material ~~respectively each~~ are 2-benzyl-2-dimethylamino-1-(4-morpholinophenyl)-- butanone-1; and the photoinitiator contained in said blue resist material is 2-methyl-1[4-(methylthio)phenyl]-2-morpholinopropan-1-one.
4. (currently amended) A color filter ~~comprising forming~~ formed by a colored resist by using the a colored resist material set as described in claim 1 comprising:
a red resist material, a green resist material and a blue resist material, each resist material containing a reactive monomer, a photoinitiator and a dye and/or a pigment, wherein;
the photoinitiator contained in said red resist material has a photoabsorption region which absorbs wavelengths shorter than 570 nm;
the photoinitiator contained in said green resist material has a photoabsorption region which absorbs wavelengths shorter than 460 nm;
and
the photoinitiator contained in said blue resist material has a photoabsorption region which absorbs wavelengths shorter than 400 nm;
wherein the photoabsorption region of at least one photoinitiator contained in said red and green resist materials absorbs wavelengths longer

than wavelengths absorbed by the photoabsorption region of the photoinitiator contained in said blue resist material.

5. (currently amended) ~~A color filter comprising forming a colored resist by using the colored resist material set as described in claim 2 according to claim 4,~~ wherein the photoinitiators contained in said red resist material and said green resist material each have a photoabsorption region which absorbs wavelengths shorter than 460 nm, and longer than wavelengths absorbed by the photoabsorption region of the photoinitiator contained in said blue resist material.

6. (currently amended) ~~A color filter comprising forming a colored resist by using the colored resist material set as described in claim 3 according to claim 5,~~ wherein the photoinitiators contained in the red resist material and the green resist material each are 2-benzyl-2-dimethylamino-1-(4-morpholinophenyl)-butanone-1; and the photoinitiator contained in said blue resist material is 2-methyl-1[4-(methylthio)phenyl]-2-morpholinopropan-1-one.